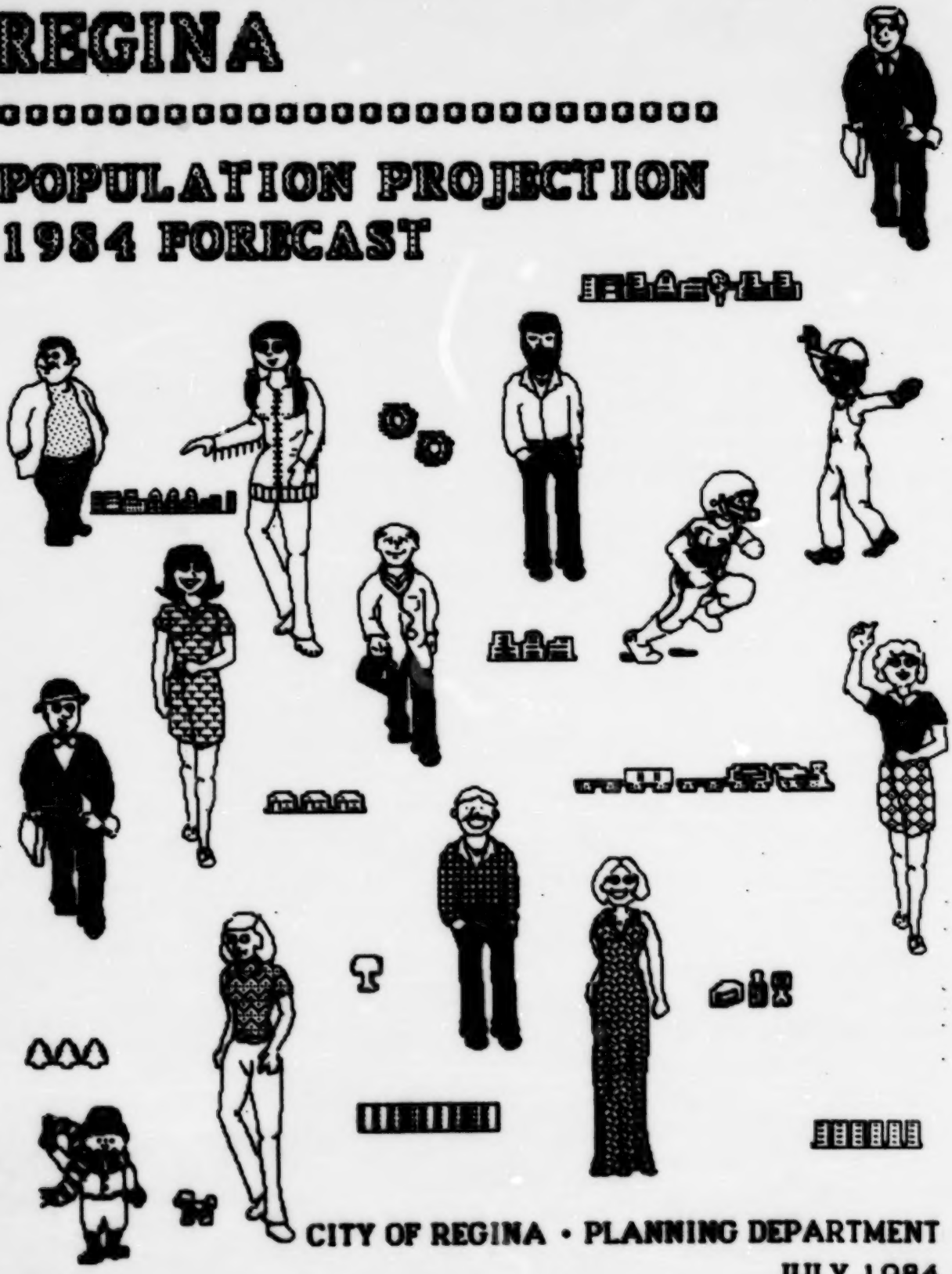
REGINA

POPULATION PROJECTION 1984 FORECAST



CITY OF REGINA • PLANNING DEPARTMENT

JULY 1984

REGINA POPULATION PROJECTION
1984 FORECAST

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1984 FORECAST

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Highlights

* Net migration to Regina doubled from 2,200 per year between 1971 and 1976, to 5,000 between 1976-1981.

* Between 1976-1981, positive net migration took place primarily in the age group 15-25 and 70+.

* Negative net migration took place primarily in the age groups 0-5 and 25-35.

* The later group was dominantly female, presumably single mothers who departed Regina with their young children.

* Given the current demographic trends, Regina's total population will exceed 200,000 by 1995 and will reach a quarter of a million by 2011.

* Median age of the total population will steadily increase from 27.8 in 1981, to 35.3 by 2011.

* Senior citizens population (65+) will increase from a total of 15,000 in 1981, to 34,000 by 2011 (increase from 9% to 14% of the total population between 1981 and 2011).

* School age population (5-20) which has been declining since 1971, will slowly increase from 41,000 in 1981 to 51,000 by 2011 (decline from 25% to 21% of the total population between 1981 and 2011).

Introduction

Population projections and community planning are interrelated subjects. This supports Chapin's statement that population projections are "perhaps the single most important population study for planning purposes"* Important decisions on issues such as land use, engineering works, housing programs, social service and other facilities, are based on population projections. Its usefulness is substantial for planning activities of almost every City department, including Health Department, Public Works & Engineering, Parks & Recreation, Economic Development, etc. Other public institutions such as the School Board and the Public Library can use important information from population projections.

This population projection is an updated version to the previous 1979 projection of the Planning Department. An update and revision was required as a result of the changes in growth patterns which have been taking place since 1976, especially the phenomenon of accelerated population growth. This document presents an historical analysis of Regina's past demographic trends of the period between 1971 and 1981, and projects them into the year 2011. The projection method used is the cohort survival model. The basic assumption for the projection is the continuance of the demographic trends of the period 1976-1981.

The outputs of the computer program are given in the appendix in two parts: input data and output tables. Input data includes historical and hypothetical demographic factors. Output tables describe the projected total population and its demographic composition. In addition, computer graphic techniques were employed to illustrate related statistics.

One should note here that projecting population is an ongoing process which is continually modified when updated data is available. In this regard, the Planning Department maintains its population projection as an ongoing project.

This report is a comprehensive exercise of implementing a variety of computer techniques: statistics were computed through WANG's FORTRAN 77 compiler, graphs were drawn by LOTUS 1-2-3 spread sheet, text typing by FANCY FONT and cover page by Macintosh's MacPaint.

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* Chapin, F. C., & Kaiser, E. J.: Urban Land Use Planning. University of Illinois Press. Urbana Chicago London. 1979.

Methodology

The cohort survival method adjusts figures from the last census (1981) forward by age and sex groups in five year intervals to the date of the forecast, with separate adjustments made for each of the three major components of population change: deaths, births and net migration. Each variable is estimated separately and adjustments are made to establish what the next five year interval is expected to be. Separate tables are developed for males and females.

In this projection, deaths, births and net migration rates were calculated using Statistics Canada's 1976 and 1981 Census data and vital statistics reported by SHSP (Sask. Hospital Service Plan). Survival, fertility and migration rates were calculated on the average volume of each age/sex group population between 1976 and 1981.

Survival rates were calculated by assigning death rates to the population of each age/sex group. Fertility rates were calculated by ascribing birth rates to each age group of female population at the fertility age. Total net migration was calculated as the difference between five years age/sex group population in 1976 and the following age group in 1981, given the number of deaths for each age/sex group. Total net migration of the 0-5 age/sex groups of 1981 was calculated by comparing the 0-5 group's population with the total births since 1976 and the total death cases for that group. The rate of net migrations was calculated based on the average of the total populations for each age/sex group between 1976 and 1981.

The basic assumption of the projection takes the conservative approach* that demographic trends experienced in the period 1976-1981 will continue to the later years of the projection. The results in terms of total population which have been developed here closely coincide with the totals projected by a previous document published by the City of Regina Planning Department.** This document, known as the Demographic Overview includes a population projection for Regina based on a linear growth of the number of total dwellings, assuming given densities and levels of occupancy in areas of land absorption and redevelopment.

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* In an alternate exercise by the Planning Department, a gravity model was used to calculate Regina's share of Saskatchewan population projected by Statistics Canada. It was found that a projection of 1,303,600 people for the Province by the year 2006, would have resulted in a population of 275,500 for Regina. This is in comparison with the conservative approach used here which assumes 233,700 people for the same year.

Regina Population 1971–1981

Survival Rates:

Survival rates of the period between 1976 and 1981 remained almost the same as for the previous five years 1971–1976 (see Figure 1). Survival rates have been slightly decreasing for age groups 0–5 and 45–50, and slightly increasing for the age groups 60+. Survival rates between 1976–1981 were higher for females of all ages with an increasing difference for ages 45+ (Figure 2).

Fertility Rates:

The average fertility rate between 1976–1981 was 0.35 births per woman at the ages 15–45, a slight drop from 0.36 of the previous five years period. The fertility rate in relationship with the mother's age group, however, has shown a significant change: there are a lower number of births for ages younger than 25, a higher number of births for age groups 30–40 and again less births for females older than 40 (Figure 3).

It appears that the age group 25–35 is becoming the prefered pregnancy time. As a result of increasing effectiveness of family planning, females of younger ages postpone their pregnancy for academic or employment reasons. Females of the age group 35–40 have a higher fertility rate, possibly because of a growing awareness of the medical risks involved in a pregnancy after 40 years of age.

Net Migration Rates:

Total net migration has more than doubled from +2,205 between 1971–1976, to +5,046 between 1976–1981. Net migration for the period 1976–1981 shows a positive balance for the ages 5–25 and for 25–40 (see Figures 4 and 5). In terms of periodic migration, there was a significant difference for younger ages: a small positive balance for ages younger than 5 in 1971–1976 has become a large negative balance between 1976 and 1981. The age group 5–15, however, transformed an early negative balance into a positive one between those years.

There is a difference in the net migration balance of the age group 65–70 (negative balance), and that of 70 years and older (positive balance) for 1976–1981. This difference may be explained by different types of retirement: a) a standard employee retiree (65 years old) who occasionally moves to join his family outside this province, or to retire in a warmer climate, b) farmer retirees of varied older ages move into the city, possibly utilizing local homes for the elderly.

** City of Regina, Planning Department: An Overview of Current Development and Demographic Trends and Their Implications for the Future Growth of Regina. Regina, SK. 1983.

In terms of age and sex for the period 1976-1981 (Figure 6 and 7), the general migration trends, either positive or negative balances, coincide for the sexes. The volumes, however, were substantially different: for the age group 15-20, net migration among females was 2.5 times higher than among males (+18.7% compared to +7.3%). Women of the age groups 25-35 outmigrated almost 10 times more than males (-12.8% compared to -1.3%), illustrating their relative higher mobility.

This last finding may explain the high negative net migration of children younger than 5 years. It is possible that due to the delay of pregnancies for the females of ages 25-35 (as described earlier in conjunction with Figure 3), and the increasing rate of divorce*, more single mothers, together with their young children, are leaving Regina to return to their former homes.

Regina Population 1971-2011

General Population

According to the conservative approach of the cohort survival model, Regina's population will continue to grow at an annual average of 1.5% to a quarter of a million by the year 2011 (see Figure 8). The dramatic changes, however, will take place in the age composition.

Figure 9 demonstrates the change of the total population of each age group between 1971-2011. Most of the age groups show significant changes, contradictory, somehow, to the stable rate of growth of the overall population. The younger age groups have declined in total numbers between 1971-1976, and have illustrated a slow growth rate ever since.

Aging Population

Median age has been steadily growing from 25.5 years in 1971, to 26.6 in 1976 and to 27.8 in 1981. It is projected that the median age will continue to grow at a faster rate to 31.1 by the year 1991 and then, at a slower pace, will reach 35.3 by 2011. The difference between male and female median age was 1.0 year in 1981 and will gradually increase to 2.7 years by 2011 (see Figure 10). The prime reason for the increase of the median age is the increasing share of the total population by senior citizens population (65 years old and above): from 15,080 in 1981 (9.3% of the total population) to 34,291 by 2011 (13.9% of the total population, see Figure 11). This is a total increase of 127%. The difference between male and female median ages is accounted for by the higher survival rates of females of every age, specifically the older ones.

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* While the married population had increased by 9.6% between 1976 and 1981, the divorced population had increased by 56.3%.

School Age Population

School age population (ages 5-20), in comparison, will increase by only 25% from 40,955 in 1981 (25.1% of the total population), to 51,045 by 2011 (20.6% of the total population, see Figure 12). This change is a combined result of both low fertility rates and the negative balance of migration of mothers ages 25-35, together with positive net migration levels for the older, retired population. The school age population, which has been declining since 1971, will continue to decline until about 1986. It will then start to increase slowly up to and perhaps beyond 2011. The ratio of school age population compared to senior citizens population will decline from 3.5:1 in 1981, to 1.5:1 by 2011.

Conclusions

The total population projected in this report is significantly higher then the previous projection prepared by the Planning Department in 1979* (see Figure 13). This may well affect the provision of major services provided to the population at any point in time. It would also affect the private sector in terms of commercial services, labour pool, business opportunities, etc.

It would be appropriate that figures be reviewed by various service agencies in order to incorporate them in their long term planning.

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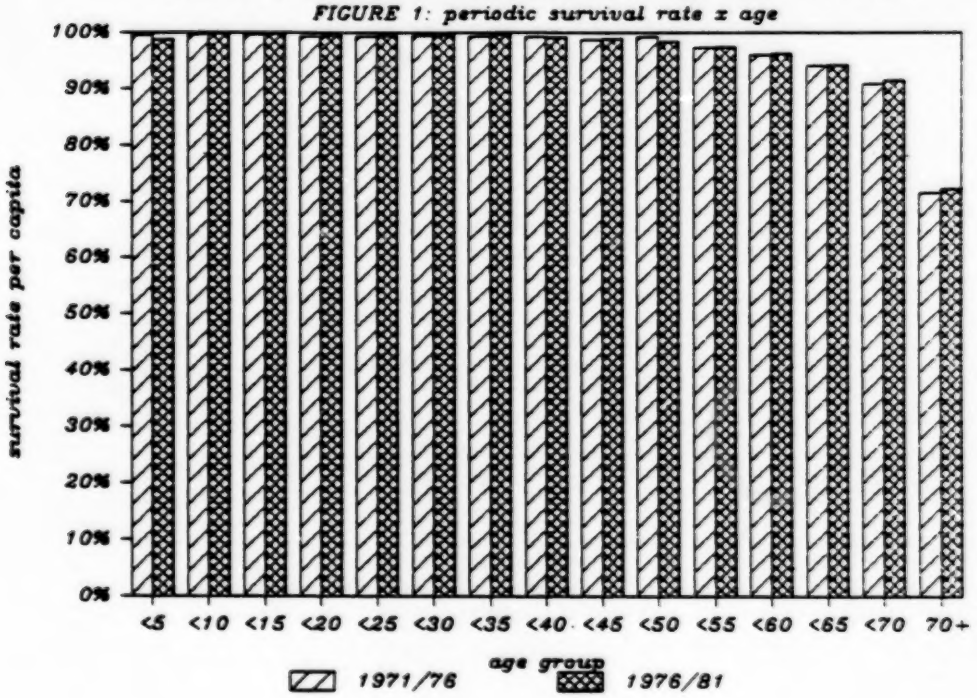
* City of Regina, Planning Department: Regina RSVP Population Projections. Regina, SK. July 1979

GD/gd/001(gd)

APPENDIX

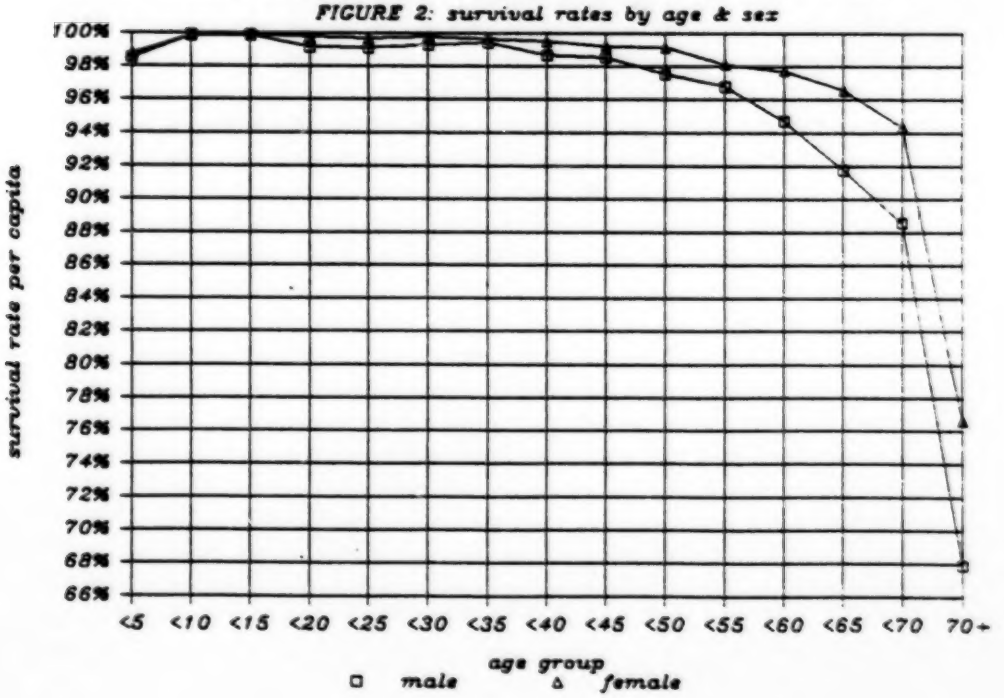
REGINA POPULATION 1971–1981

FIGURE 1: periodic survival rate x age



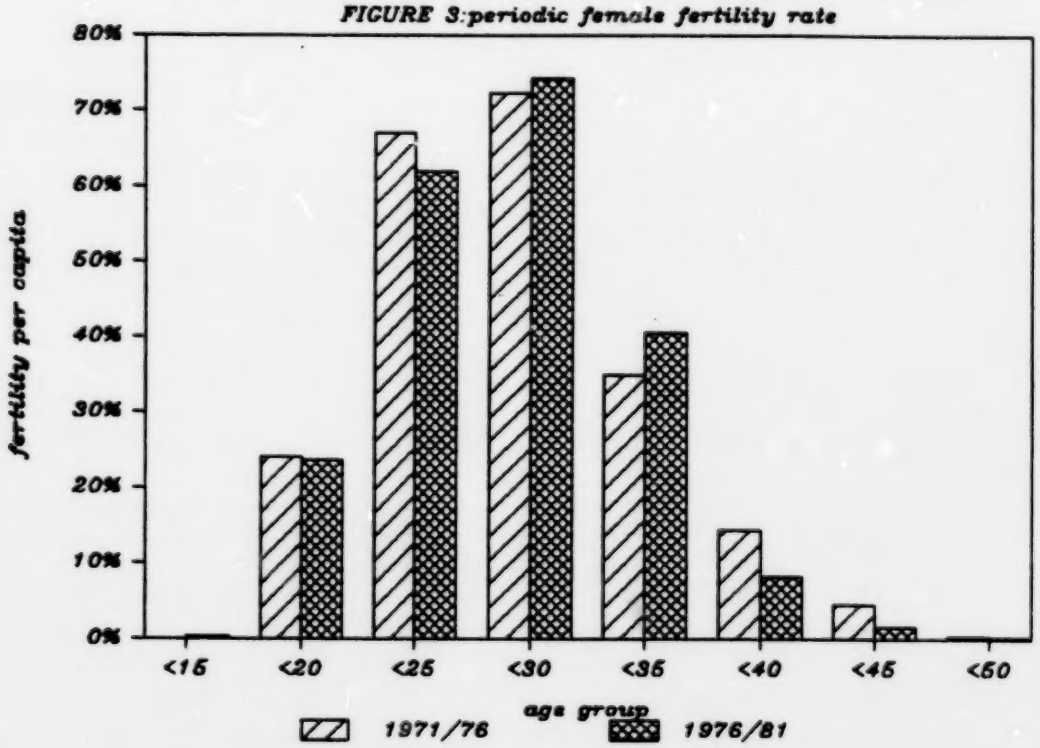
REGINA POPULATION 1976–1981

FIGURE 2: survival rates by age & sex



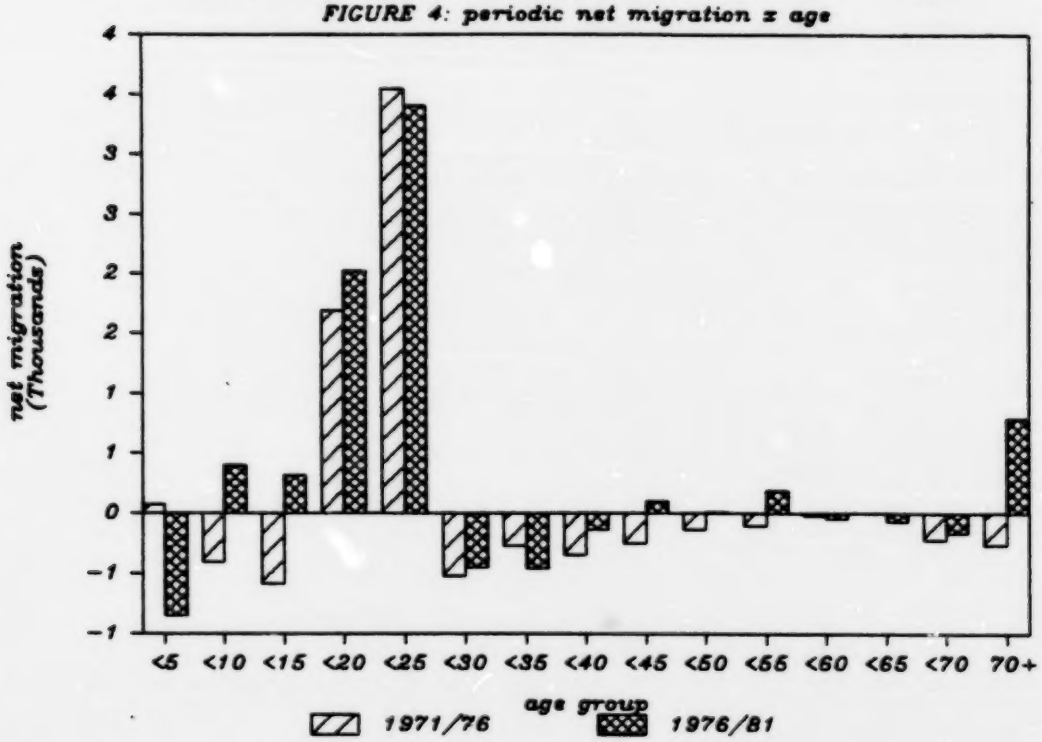
REGINA POPULATION 1971–1981

FIGURE 3:periodic female fertility rate



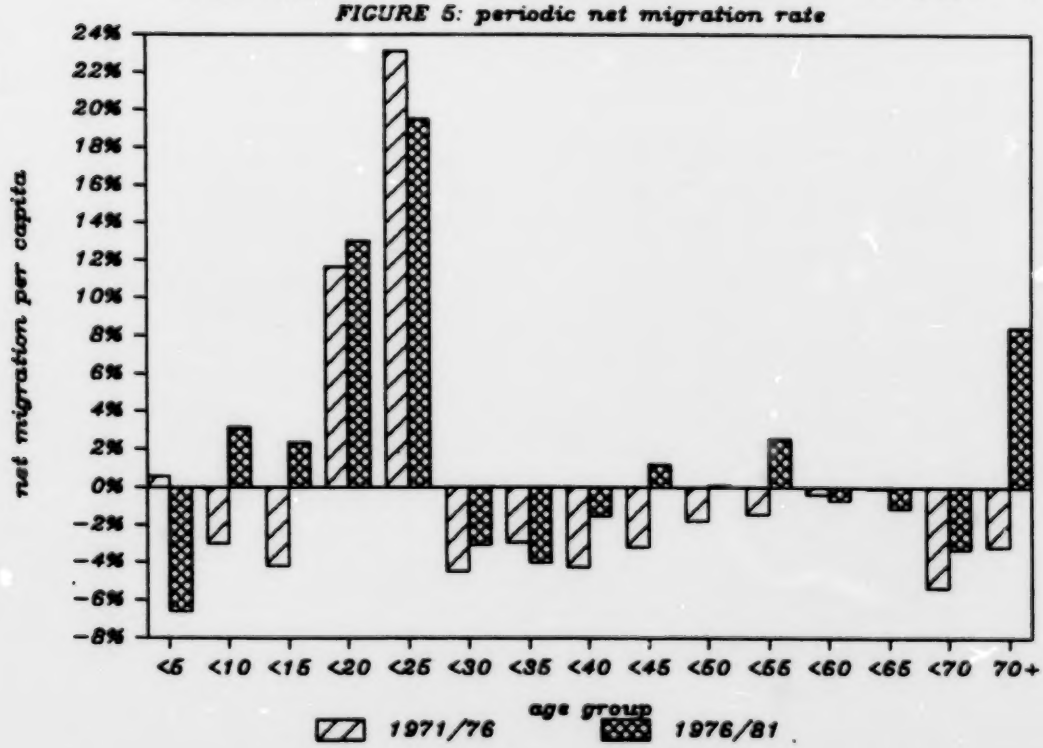
REGINA POPULATION 1971–1981

FIGURE 4: periodic net migration x age



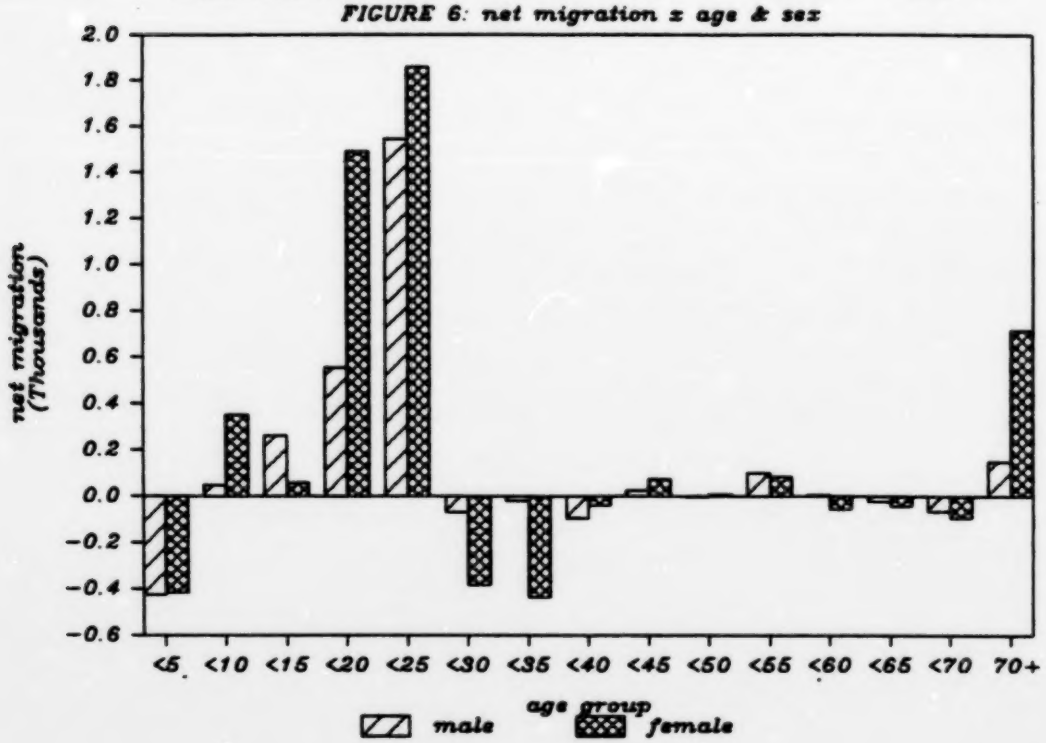
REGINA POPULATION 1971–1981

FIGURE 5: periodic net migration rate



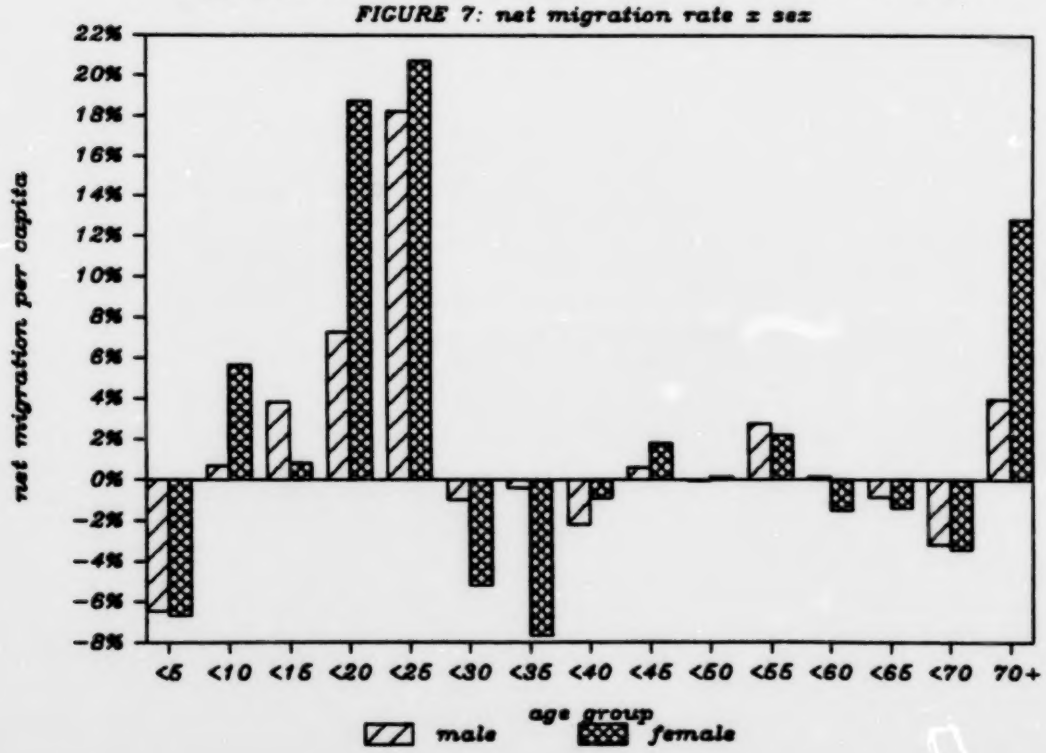
REGINA POPULATION 1976–1981

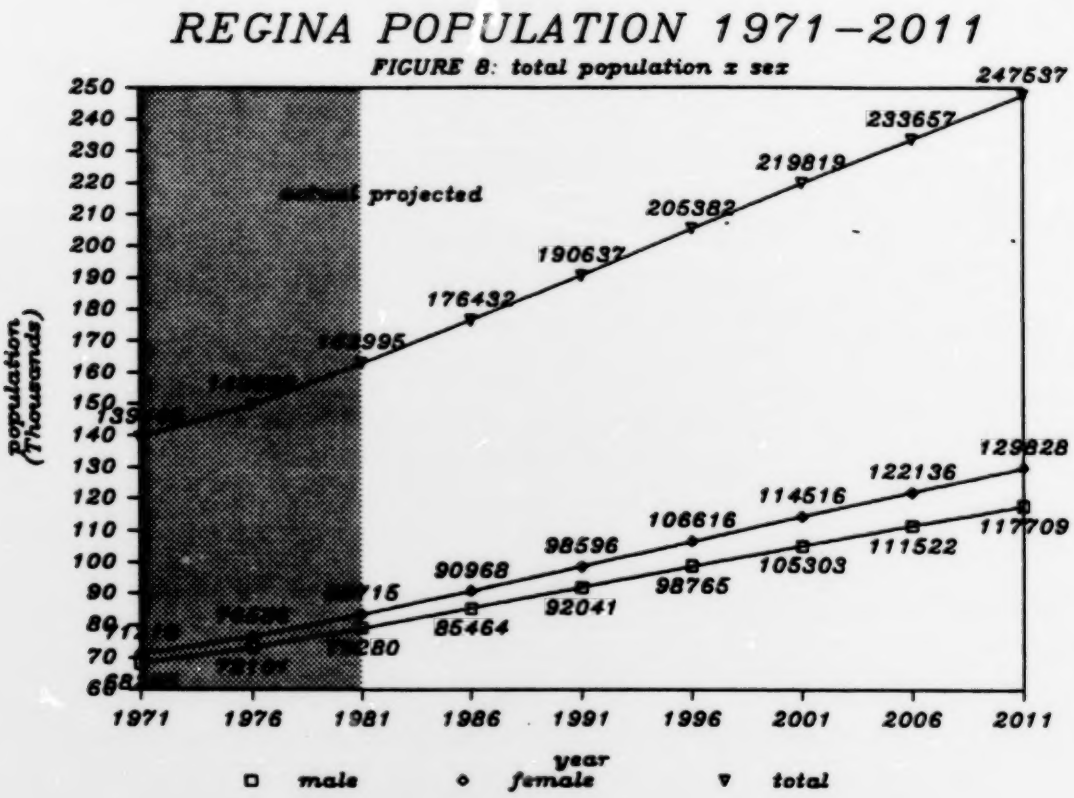
FIGURE 6: net migration x age & sex



REGINA POPULATION 1976–1981

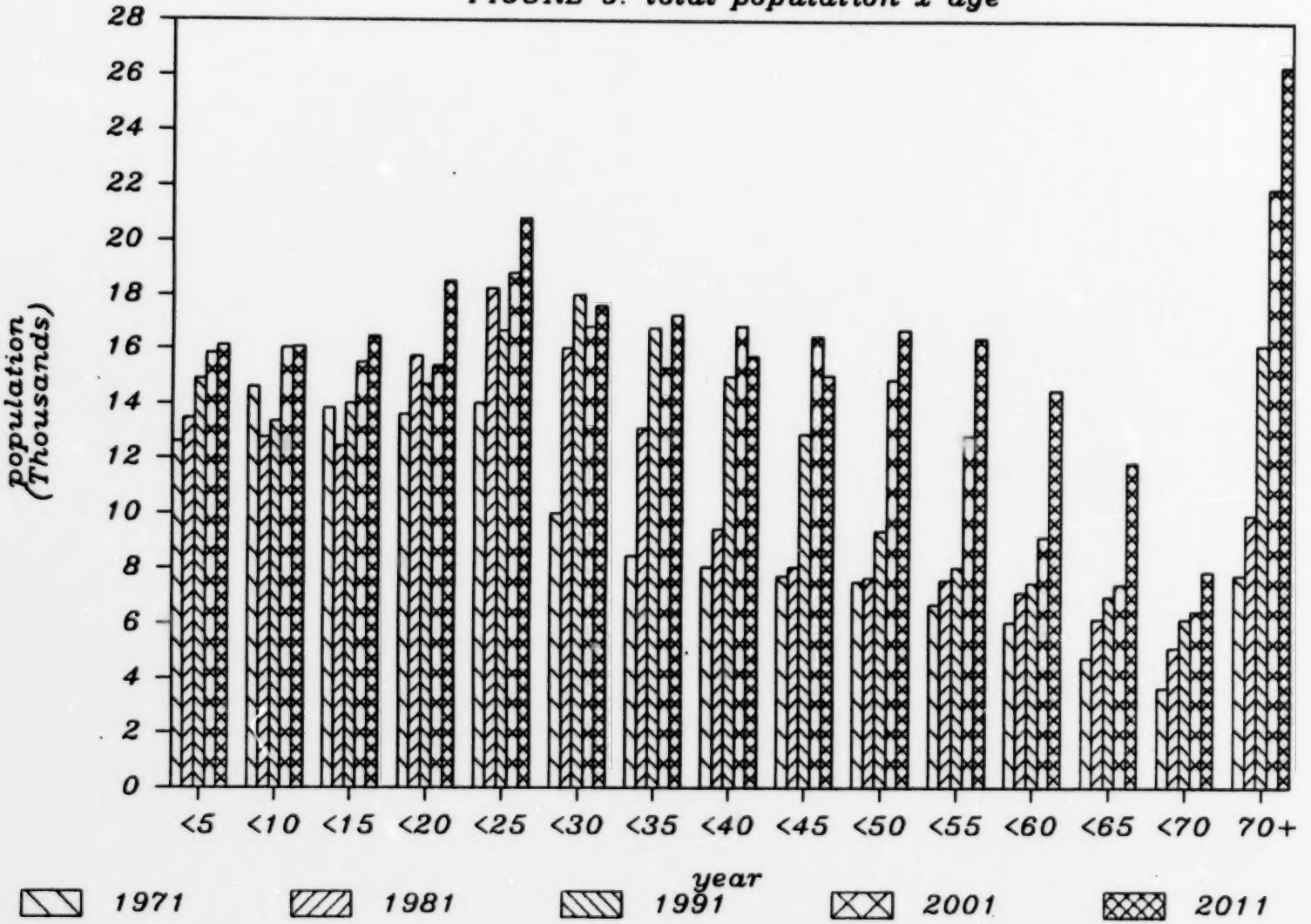
FIGURE 7: net migration rate x sex




REGINA POPULATION 1971–2011
FIGURE 8: total population x sex
247537
233657
219819
205382
190637
176432
162995
129828
122136
114516
106616
98596
90968
117709
111522
105303
98765
92041
85464
projected
population (Thousands)
year
male
female
total

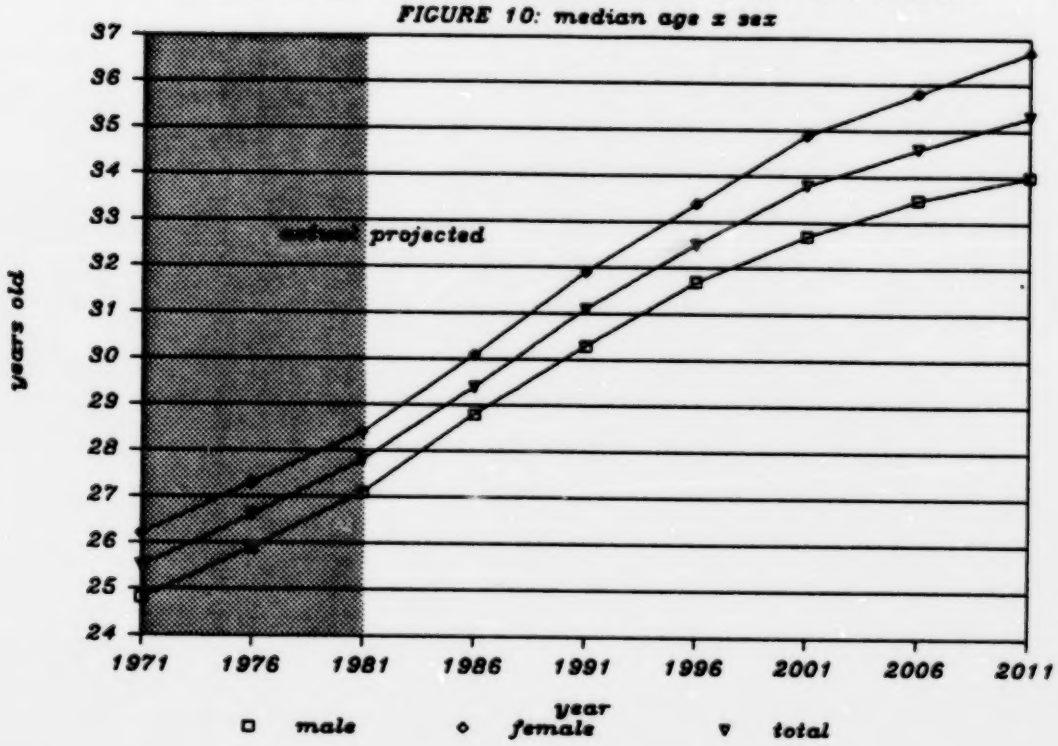
REGINA POPULATION 1971–2011

FIGURE 9: total population x age



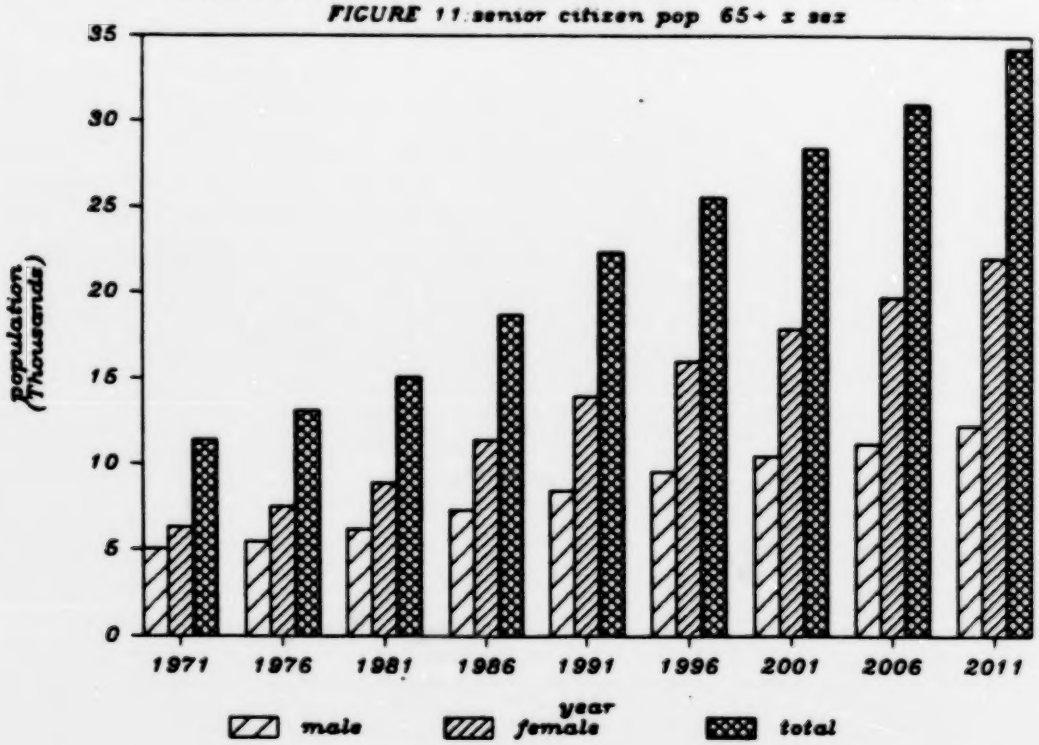
REGINA POPULATION 1971–2011

FIGURE 10: median age x sex



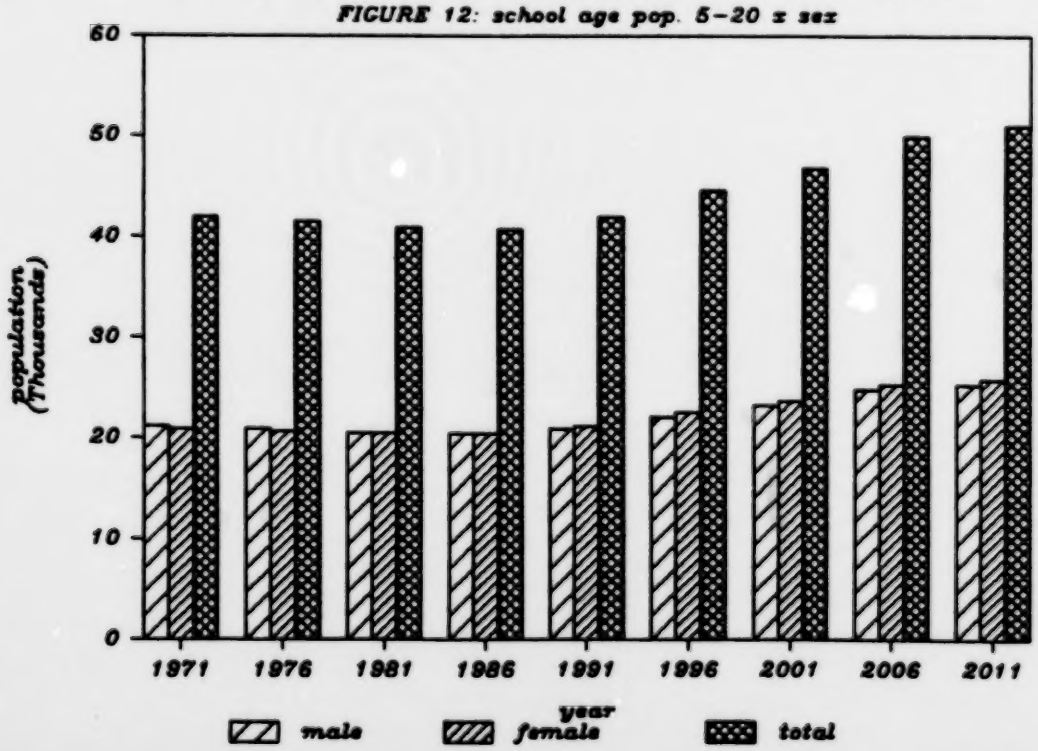
REGINA POPULATION 1971–2011

FIGURE 11: senior citizen pop 65+ x sex



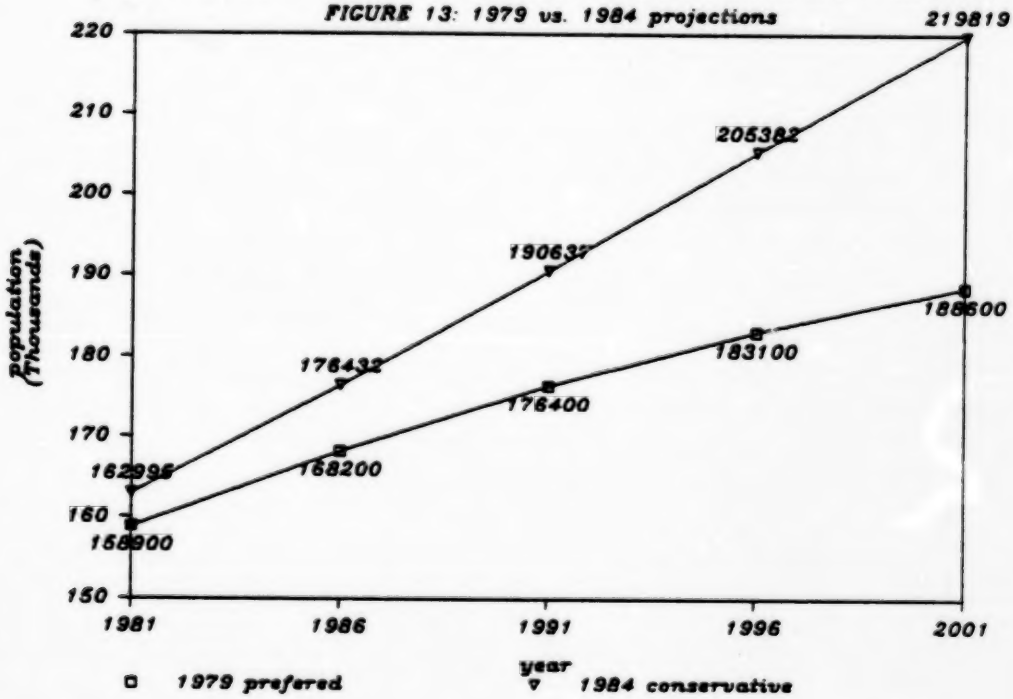
REGINA POPULATION 1971–2011

FIGURE 12: school age pop. 5–20 x sex



POPULATION PROJECTIONS 1981–2001

FIGURE 13: 1979 vs. 1984 projections



CITY OF REGINA POPULATION PROJECTION: 1981-2006 COHORT SURVIVAL. JULY 6, 1984
INPUT DATA

SURVIVAL RATES

AGE GROUP	1981-1986		1986-1991		1991-1996		1996-2001		2001-2006		2006-2011	
	M	F	M	F	M	F	M	F	M	F	M	F
0-5	.9853	.9880	.9853	.9880	.9853	.9880	.9853	.9880	.9853	.9880	.9853	.9880
5-10	.9986	.9989	.9986	.9989	.9986	.9989	.9986	.9989	.9986	.9989	.9986	.9989
10-15	.9986	.9992	.9986	.9992	.9986	.9992	.9986	.9992	.9986	.9992	.9986	.9992
15-20	.9915	.9977	.9915	.9977	.9915	.9977	.9915	.9977	.9915	.9977	.9915	.9977
20-25	.9913	.9970	.9913	.9970	.9913	.9970	.9913	.9970	.9913	.9970	.9913	.9970
25-30	.9930	.9977	.9930	.9977	.9930	.9977	.9930	.9977	.9930	.9977	.9930	.9977
30-35	.9942	.9966	.9942	.9966	.9942	.9966	.9942	.9966	.9942	.9966	.9942	.9966
35-40	.9869	.9950	.9869	.9950	.9869	.9950	.9869	.9950	.9869	.9950	.9869	.9950
40-45	.9854	.9922	.9854	.9922	.9854	.9922	.9854	.9922	.9854	.9922	.9854	.9922
45-50	.9753	.9915	.9753	.9915	.9753	.9915	.9753	.9915	.9753	.9915	.9753	.9915
50-55	.9679	.9812	.9679	.9812	.9679	.9812	.9679	.9812	.9679	.9812	.9679	.9812
55-60	.9472	.9774	.9472	.9774	.9472	.9774	.9472	.9774	.9472	.9774	.9472	.9774
60-65	.9078	.9658	.9078	.9658	.9078	.9658	.9078	.9658	.9078	.9658	.9078	.9658
65-70	.8858	.9438	.8858	.9438	.8858	.9438	.8858	.9438	.8858	.9438	.8858	.9438
70+	.6790	.7662	.6790	.7662	.6790	.7662	.6790	.7662	.6790	.7662	.6790	.7662

FERTILITY RATES

10-15	.003	.003	.003	.003	.003	.003
15-20	.236	.236	.236	.236	.236	.236
20-25	.619	.619	.619	.619	.619	.619
25-30	.743	.743	.743	.743	.743	.743
30-35	.406	.406	.406	.406	.406	.406
35-40	.083	.083	.083	.083	.083	.083
40-45	.015	.015	.015	.015	.015	.015
45-50	.002	.002	.002	.002	.002	.002
SEX RATE	.514	.514	.514	.514	.514	.514

CITY OF REGINA POPULATION PROJECTION: 1981-2006 COHORT SURVIVAL. JULY 6, 1984
INPUT DATA

MIGRATION RATES

	1981-1986		1986-1991		1991-1996		1996-2001		2001-2006		2006-2011	
AGE GROUP	M	F	M	F	M	F	M	F	M	F	M	F
0-5	-.0646	-.0665	-.0646	-.0665	-.0646	-.0665	-.0646	-.0665	-.0646	-.0665	-.0646	-.0665
5-10	.0072	.0566	.0072	.0566	.0072	.0566	.0072	.0566	.0072	.0566	.0072	.0566
10-15	.0385	.0087	.0385	.0087	.0385	.0087	.0385	.0087	.0385	.0087	.0385	.0087
15-20	.0729	.1872	.0729	.1872	.0729	.1872	.0729	.1872	.0729	.1872	.0729	.1872
20-25	.1825	.2072	.1825	.2072	.1825	.2072	.1825	.2072	.1825	.2072	.1825	.2072
25-30	-.0097	-.0519	-.0097	-.0519	-.0097	-.0519	-.0097	-.0519	-.0097	-.0519	-.0097	-.0519
30-35	-.0037	-.0764	-.0037	-.0764	-.0037	-.0764	-.0037	-.0764	-.0037	-.0764	-.0037	-.0764
35-40	-.0219	-.0088	-.0219	-.0088	-.0219	-.0088	-.0219	-.0088	-.0219	-.0088	-.0219	-.0088
40-45	.0058	.0182	.0058	.0182	.0058	.0182	.0058	.0182	.0058	.0182	.0058	.0182
45-50	-.0005	.0018	-.0005	.0018	-.0005	.0018	-.0005	.0018	-.0005	.0018	-.0005	.0018
50-55	.0279	.0221	.0279	.0221	.0279	.0221	.0279	.0221	.0279	.0221	.0279	.0221
55-60	.0017	-.0151	.0017	-.0151	.0017	-.0151	.0017	-.0151	.0017	-.0151	.0017	-.0151
60-65	-.0083	-.0138	-.0083	-.0138	-.0083	-.0138	-.0083	-.0138	-.0083	-.0138	-.0083	-.0138
65-70	-.0320	-.0344	-.0320	-.0344	-.0320	-.0344	-.0320	-.0344	-.0320	-.0344	-.0320	-.0344
70+	.0401	.1287	.0401	.1287	.0401	.1287	.0401	.1287	.0401	.1287	.0401	.1287

CITY OF REGINA POPULATION PROJECTION: 1981-2006 COHORT SURVIVAL. JULY 6, 1984
INPUT DATA

BASE YEAR POPULATION

AGE	MALE	FEMALE
0-5	6910.	6560.
5-10	6375.	6375.
10-15	6430.	6025.
15-20	7700.	8050.
20-25	8835.	9410.
25-30	7955.	8085.
30-35	6480.	6650.
35-40	4735.	4725.
40-45	3950.	4125.
45-50	3810.	3860.
50-55	3770.	3805.
55-60	3350.	3785.
60-65	2805.	3355.
65-70	2215.	2910.
70+	3960.	5995.

CITY OF REGINA POPULATION PROJECTION: 1981-2006 COHORT SURVIVAL. JULY 6, 1984

OUTPUT TABLE 1 -- MALE POPULATION

AGE GROUP	1981	1986	1991	1996	2001	2006	2011
0-5	6910.	6720.	7631.	8072.	8108.	8091.	8261.
5-10	6375.	6857.	6669.	7573.	8011.	8047.	8030.
10-15	6430.	6611.	7111.	6916.	7854.	8308.	8345.
15-20	7700.	6889.	7083.	7619.	7410.	8415.	8901.
20-25	8835.	9028.	8077.	8305.	8933.	8687.	9866.
25-30	7955.	8673.	8863.	7929.	8153.	8770.	8528.
30-35	6480.	7870.	8581.	8768.	7845.	8066.	8676.
35-40	4735.	6301.	7653.	8344.	8526.	7628.	7843.
40-45	3950.	4700.	6255.	7597.	8282.	8463.	7572.
45-50	3810.	3890.	4629.	6160.	7482.	8157.	8336.
50-55	3770.	3820.	3900.	4641.	6176.	7501.	8178.
55-60	3350.	3655.	3703.	3781.	4499.	5988.	7272.
60-65	2805.	3147.	3433.	3479.	3552.	4226.	5625.
65-70	2215.	2465.	2765.	3017.	3057.	3121.	3714.
70+	3960.	4837.	5687.	6564.	7416.	8053.	8563.
TOTAL	79280.	85464.	92041.	98765.	105303.	111522.	117709.

CITY OF REGINA POPULATION PROJECTION: 1981-2006 COHORT SURVIVAL. JULY 6, 1984

OUTPUT TABLE 2 -- FEMALE POPULATION

AGE GROUP	1981	1986	1991	1996	2001	2006	2011
0-5	6560.	6402.	7270.	7691.	7725.	7709.	7870.
5-10	6375.	6848.	6683.	7590.	8028.	8064.	8047.
10-15	6025.	6423.	6900.	6734.	7647.	8089.	8126.
15-20	8050.	7147.	7620.	8185.	7988.	9072.	9596.
20-25	9410.	9696.	8608.	9177.	9859.	9621.	10926.
25-30	8085.	8895.	9165.	8137.	8675.	9319.	9095.
30-35	6650.	7450.	8196.	8445.	7498.	7994.	8587.
35-40	4725.	6569.	7359.	8097.	8342.	7407.	7897.
40-45	4125.	4787.	6655.	7456.	8203.	8452.	7504.
45-50	3860.	4100.	4758.	6615.	7411.	8153.	8401.
50-55	3805.	3912.	4155.	4822.	6704.	7510.	8267.
55-60	3785.	3677.	3780.	4016.	4660.	6479.	7258.
60-65	3355.	3648.	3544.	3644.	3871.	4492.	6245.
65-70	2910.	3129.	3402.	3305.	3398.	3610.	4189.
70+	5995.	8284.	10497.	12703.	14507.	16165.	17825.
TOTAL	83715.	90968.	98596.	106616.	114516.	122136.	129828.
GRAND TOTAL	162995.	176432.	190637.	205382.	219819.	233657.	247537.

CITY OF REGINA POPULATION PROJECTION: 1981-2006 COHORT SURVIVAL. JULY 6, 1984
OUTPUT TABLE 3 -- MALE PERCENTAGE DISTRIBUTION

AGE GROUP	1981	1986	1991	1996	2001	2006	2011
0-5	4.24	3.81	4.00	3.93	3.69	3.46	3.34
5-10	3.91	3.89	3.50	3.69	3.64	3.44	3.24
10-15	3.94	3.75	3.73	3.37	3.57	3.56	3.37
15-20	4.72	3.90	3.72	3.71	3.37	3.60	3.60
20-25	5.42	5.12	4.24	4.04	4.06	3.72	3.99
25-30	4.88	4.92	4.65	3.86	3.71	3.75	3.45
30-35	3.98	4.46	4.50	4.27	3.57	3.45	3.50
35-40	2.90	3.57	4.01	4.06	3.88	3.26	3.17
40-45	2.42	2.66	3.28	3.70	3.77	3.62	3.06
45-50	2.34	2.21	2.43	3.00	3.40	3.49	3.37
50-55	2.31	2.16	2.05	2.26	2.81	3.21	3.30
55-60	2.06	2.07	1.94	1.84	2.05	2.56	2.94
60-65	1.72	1.78	1.80	1.69	1.62	1.81	2.27
65-70	1.36	1.40	1.45	1.47	1.39	1.34	1.50
70+	2.43	2.74	2.98	3.20	3.37	3.45	3.46
TOTAL	48.64	48.44	48.28	48.09	47.90	47.73	47.55

CITY OF REGINA POPULATION PROJECTION: 1981-2006 COHORT SURVIVAL. JULY 6, 1984

OUTPUT TABLE 4 -- FEMALE PERCENTAGE DISTRIBUTION

AGE GROUP	1981	1986	1991	1996	2001	2006	2011
0-5	4.02	3.63	3.81	3.74	3.51	3.30	3.18
5-10	3.91	3.88	3.51	3.70	3.65	3.45	3.25
10-15	3.70	3.64	3.62	3.28	3.48	3.46	3.28
15-20	4.94	4.05	4.00	3.99	3.63	3.88	3.86
20-25	5.77	5.50	4.52	4.47	4.48	4.12	4.41
25-30	4.96	5.04	4.81	3.96	3.95	3.99	3.67
30-35	4.08	4.22	4.30	4.11	3.41	3.42	3.47
35-40	2.90	3.72	3.86	3.94	3.80	3.17	3.19
40-45	2.53	2.71	3.49	3.63	3.73	3.62	3.03
45-50	2.37	2.32	2.50	3.22	3.37	3.49	3.39
50-55	2.33	2.22	2.18	2.35	3.05	3.21	3.34
55-60	2.32	2.08	1.98	1.96	2.12	2.77	2.93
60-65	2.06	2.07	1.86	1.77	1.76	1.92	2.52
65-70	1.79	1.77	1.78	1.61	1.55	1.54	1.69
70+	3.68	4.70	5.51	6.18	6.60	6.92	7.20
TOTAL	51.36	51.56	51.72	51.91	52.10	52.27	52.45
GRAND TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00

CITY OF REGINA POPULATION PROJECTION: 1981-2006 COHORT SURVIVAL. JULY 6, 1984
OUTPUT TABLE 5 -- NET MALE MIGRATION

AGE GROUP	1981	1986	1991	1996	2001	2006	2011
0-5		-464.	-527.	-557.	-560.	-559.	-571.
5-10		49.	48.	54.	57.	58.	57.
10-15		245.	264.	256.	291.	308.	309.
15-20		468.	481.	518.	503.	572.	605.
20-25		1393.	1247.	1282.	1379.	1341.	1523.
25-30		-85.	-87.	-78.	-80.	-86.	-84.
30-35		-29.	-32.	-33.	-29.	-30.	-32.
35-40		-141.	-171.	-187.	-191.	-171.	-176.
40-45		27.	36.	44.	48.	49.	44.
45-50		-2.	-2.	-3.	-4.	-4.	-4.
50-55		104.	106.	126.	168.	204.	222.
55-60		6.	6.	6.	8.	10.	12.
60-65		-26.	-29.	-29.	-30.	-35.	-47.
65-70		-81.	-91.	-100.	-101.	-103.	-123.
70+		187.	219.	253.	286.	310.	330.

CITY OF REGINA POPULATION PROJECTION: 1981-2006 COHORT SURVIVAL. JULY 6, 1984
OUTPUT TABLE 6 -- NET FEMALE MIGRATION/

AGE GROUP	1981	1986	1991	1996	2001	2006	2011
0-5		-456.	-518.	-548.	-550.	-549.	-561.
5-10		367.	358.	407.	430.	432.	431.
10-15		55.	60.	58.	66.	70.	70.
15-20		1127.	1201.	1291.	1260.	1430.	1513.
20-25		1664.	1477.	1575.	1692.	1651.	1875.
25-30		-487.	-502.	-445.	-475.	-510.	-498.
30-35		-616.	-678.	-699.	-620.	-661.	-710.
35-40		-58.	-65.	-72.	-74.	-66.	-70.
40-45		86.	119.	133.	147.	151.	134.
45-50		7.	9.	12.	13.	15.	15.
50-55		85.	90.	104.	145.	162.	179.
55-60		-56.	-58.	-62.	-71.	-99.	-111.
60-65		-51.	-50.	-51.	-54.	-63.	-87.
65-70		-111.	-121.	-118.	-121.	-129.	-149.
70+		945.	1197.	1448.	1654.	1843.	2033.